



COLUMBUS CHEMICAL INDUSTRIES INC.

P.O. BOX 8
 COLUMBUS, WISCONSIN 53925-0008
 (920) 623-2140
 FAX (920) 623-2577

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Bromocresol Purple, 0.04% Aqueous Solution

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code

Columbus Chemical Industries, Inc.

N4335 Temkin Road

Columbus, WI 53925-0008

Emergency Telephone Number

CHEMTREC 1-800-424-9300

Telephone Number for Information

920-623-2140

Date Prepared

02-10-2003

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Bromocresol Purple, Sodium Salt*	62625-30-3	Not established	Not established	Not established	0.04%

*SYNONYMS: 5,5'-Dibromo-*o*-cresolsulfonephthalein, sodium salt.

Section III - Physical/Chemical Characteristics

Boiling Point	approximately 100 °C (212 °F)	Specific Gravity (H ₂ O = 1)	1.0
Vapor Pressure (mm Hg)	Not available	Melting Point	approximately 0 °C (32 °F)
Vapor Density (AIR = 1)	Not available	Evaporation Rate (Butyl Acetate = 1)	Not available

Solubility in Water

Complete.

Appearance and Odor

Dark purple, odorless liquid.

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Nonflammable.		Not applicable	Not applicable

Extinguishing Media

Noncombustible. Use any means suitable for extinguishing surrounding fire.

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

Emits toxic fumes under fire conditions.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Heat, light, incompatibles.
	Stable	X		

Incompatibility Materials to Avoid

Alkali and alkaline earth metals (sodium, potassium, lithium, calcium and magnesium metals) and strong oxidizers.

Hazardous Decomposition or Byproducts

Carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen bromide, sodium oxides and sulfur oxides.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		N/A
	Will Not Occur	X	

Section VI Health Hazard Data

Routes of Entry	Inhalation ?	Skin ?	Ingestion ?
	Yes	Yes	Yes

Health Hazards (Acute and Chronic)

SKIN: May cause irritation and may be harmful if absorbed through the skin. EYE: Causes eye irritation.

INHALATION: May be harmful if inhaled. Material may be irritating to the mucous membranes and upper respiratory tract. INGESTION: May be harmful if swallowed.

Carcinogenicity	NTP	IARC Monographs	OSHA REGULATED?
	No	No	No

Signs and Symptoms of Exposure.

EYES: Redness, pain, tearing, conjunctivitis. SKIN: Redness, swelling, pain, itchiness, rash. INGESTION: Gastrointestinal pain.

INHALATION: Pain, inflammation of mucous membranes, wheezing, coughing.

Medical Conditions Generally Aggravated by Exposure

Unknown to Columbus Chemical Industries, Inc.

Emergency and First Aid Procedures INGESTION: If swallowed, wash out mouth with water if person is conscious. Do not induce vomiting unless directed by medical personnel. EYES: In case of contact, immediately flush with large amounts of water inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. SKIN: for at least 15 minutes. INHALATION: If Immediately wash skin with soap and large amounts of water.

Section VII Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled Evacuate area. Wear NIOSH/MSHA-approved respirator, chemical-resistant goggles, rubber boots, apron and heavy rubber gloves. Contain spill with dikes, sand or noncombustible absorbent material. Sweep up and place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method Dispose in accordance with all applicable Federal, state and local regulations.

Precautions to be Taken in Handling and Storing Keep in tightly closed plainly-labelled containers, stored in a cool, dry, ventilated area. Protect against physical damage and light. Maintain adequate ventilation. Do not breathe dust. Avoid storage below 0 °C (32 °F) and above 50 °C (122 °F).

Other Precautions Containers, even when empty, will retain residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.

Section VII Control Measures

Respiratory Protection (Specify Type) NIOSH/MSHA-approved respirator with dust/vapor cartridge.

Ventilation	Local Exhaust	Recommended.	Special	Eye wash nearby.
	Mechanical (General)	Required.	Other	Safety shower nearby.

Protective Gloves Chemical-resistant gloves. **Eye Protection** Chemical Safety goggles.

Other Protective Clothing or Equipment Rubber boots, if needed, and clean body covering clothing.

Work /Hygienic Practices Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area. Avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing. Wash thoroughly after handling. Avoid breathing vapor.

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